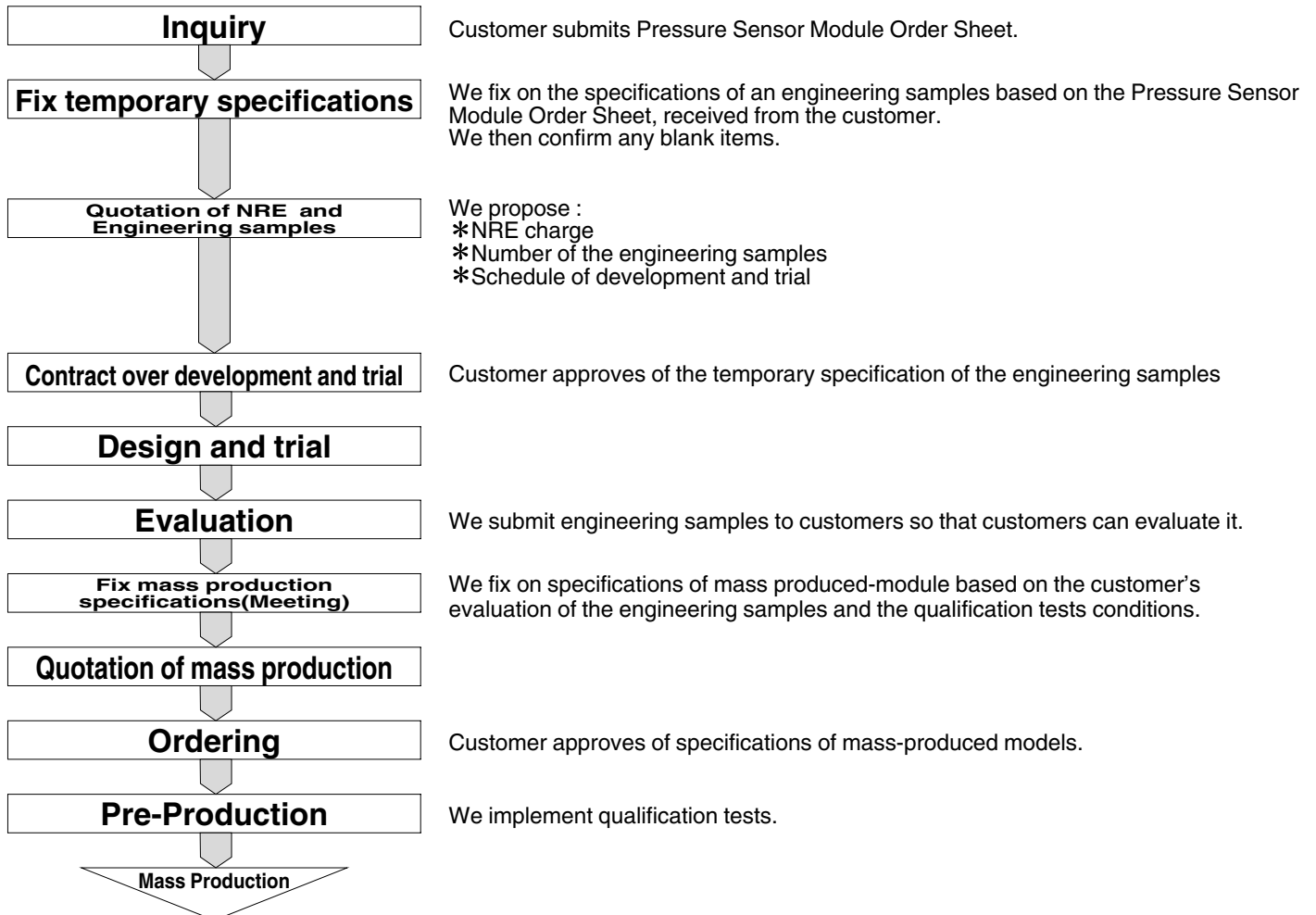


In applications which use a pressure sensor, it has been an essential condition to achieve high density in the system and save power in construction. Also, in order to reduce the development time of products, it has been necessary to design a signal conditioning component of the pressure sensor for a short time, without applying a burden.

To satisfy customers' needs, we have provided the FIP series, a semi-customized pressure sensor module to which is added a peripheral circuit to the FPM, FPN, FHM, FGM or FDN series. The FIP series is a system in which we will provide a concrete proposition in a short time (Engineering samples, evaluation, etc.) when customers fill in each specification of the Pressure Sensor Module Order Sheet (refer to the next page).(See the following development flow chart for details.) We are certain that we can thoroughly deal with customers' requests and greatly contribute to the cost reduction of products by the installation of a pressure sensor from the Fujikura's FIP series.

Development Flow Chart

*Some parts may not follow this flow chart.



FIP series Pressure Sensor Module Order Sheet

If you still did not see what you need, please tell us about your application in detail using this form. (): Choose either one from inside

Specifications item	Column customers to fill in	Example of submitted sheet	Remarks
Operating conditions			
Applications			Write in detail as far as possible
Pressure type		Gauge pressure	
Pressure range measurement	(Unit)	0 ~ 100 (Unit) kPa	Generally only gauge pressure is available. Contact us regarding absolute pressure and differential pressure.
Pressure media		Air	Generally non-corrosive gas is available. Contact us for other cases.
Maximum load pressure	(Unit)	500 (Unit) kPa	Generally up to twice the measuring pressure range is available.
Supply voltage	V	12 ~ 24 V	Fill in a fluctuating band as well.
Current consumption	mA or less	15 mA or less	
Operating temperature	~ °C	0 ~ 85 °C	Working temperature under which efficiency can be maintained.
Storage temperature	~ °C	-20 ~ 100 °C	Allowable ambient temperature for storage.
Electric performances/characteristics(Unless designated, specifies values under ambient temperature Ta=25°C)			
Characteristics of pressure vs. output voltage	Pressure : Output : :	Pressure : Output 0 kPa : 1 V 100 kPa : 5 V	Specify at least two points on a straight line of characteristics of pressure vs. output voltage.
Accuracy(Error) Follows a prescribed method of neither ① nor ②.			Specify a unit to prescribr from [%FS·mV].
① Total accuracy	± [%FS/mV]	± 2.0 [%FS/mV]	Contains all the items of ②.
② Calibration	± [%FS/mV]	± [%FS/mV]	Refer to output characteristics at room temperature Ta=25°C
Temperature characteristic error	± [%FS/mV]	± [%FS/mV]	
Linearity error	± [%FS/mV]	± [%FS/mV]	
Pressure hysteresis error	± [%FS/mV]	± [%FS/mV]	
Special note about output characteristics			
Outward form			
External dimensions	× (Unit)	25 × 15 (Unit) mm	
RPC or HIC	[RPC · HIC]	[RPC · HIC]	Don't fill this in unless specification is necessary.
Exterior			Fill in coating, patinting, whether or not a case exists, making etc.
Terminal arrangement			
Special note about the outward form Schedule, quantity, price, etc of mass production			
Schedule of mass production			
Quantity of mass production			
Targeted price			
Development and experimental production express budget			Fill in the desired price for mass production.
Other special specifications and notes			
			Environmental working conditions, circuit composition, parts, authentication test, items etc.

Note ; Please read instruction "Notes" before using the sensor.
Fujikura reserves the right to change specifications without notice.

Fujikura Ltd.

If you have any questions regarding technical issues or specifications, please contact us.
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